

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF RECLAMATION
MID-PACIFIC REGION
SACRAMENTO, CALIFORNIA

FINDING OF NO SIGNIFICANT IMPACT

DELTA DIABLO SANITATION DISTRICT AND CITY OF PITTSBURG
RECYCLED WATER PROJECT

FONSI NO. 05-11-MP

Recommended:	<u>David T. Lewis</u> David T. Lewis Project Manager Mid-Pacific Regional Office	<u>4/13/06</u> Date
Concur:	<u>Frank Michny</u> Frank Michny Regional Environmental Officer Mid-Pacific Regional Office	<u>4/14/06</u> Date
Approve:	<u>Alan R. Candlish</u> Alan R. Candlish Regional Planning Officer Mid-Pacific Regional Office	<u>4/14/06</u> Date

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In accordance with the National Environmental Policy Act of 1969 (NEPA), as amended, and based on the following, the Bureau of Reclamation (Reclamation) has found the Delta Diablo Sanitation District (DDSD) and City of Pittsburg (City) Recycled Water Project (Project) will not result in a significant impact on the human environment. Reclamation's approval of the Project is subject to Congress providing construction authorization and appropriation.

The purpose of the proposed Project is to 1) provide the infrastructure to convey excess recycled water to irrigation users in Pittsburg, California; 2) facilitate the use of recycled water as a replacement for potable water; and 3) reduce wastewater discharges.

DDSD proposes to expand its water reuse system. Under the Project, the City will extend the recycled water pipeline, using existing pipeline and installing new pipeline, to establish recycled water service for use as landscape irrigation at the Delta View Golf Course and schools, parks, medians, and other green spaces along the pipeline alignment.

DDSD began its water recycling program in 2001 in an effort to protect the state's valuable and limited water supply. The two largest users of recycled water supplied by DDSD are the two Calpine power generating plants, which use the recycled water in their cooling towers. Recycled water is also used for landscape irrigation on lands adjacent to the existing pipeline. The Recycled Water Facility (RWF) is sized to deliver a peak flow of 12.8 million gallons per day (mgd) of recycled water to the power plants. The average demand has been approximately 7 mgd. Peak flows of up to 12 mgd have occurred for less than 10 percent of the year. Therefore, there is significant reserve capacity in the RWF to deliver recycled water.

The recycled water pipeline will be sized between 6 and 12 inches, and will be constructed within city and county owned public easements, road right-of-ways, and a Pacific Gas & Electric (PG&E) utility corridor. The land use surrounding the project area is mostly residential with some community commercial areas, a few parks, two schools, and a utility corridor. The utility corridor consists primarily of open space and is bordered by residential, commercial, industrial and recreational parkland/golf course areas.

The facilities will include a total of 14,000 feet of underground pipeline, a pumping station and smaller booster station, and an above ground storage tank. The majority of the pipeline will be installed in an open cut trench except for key roadway crossings where the pipeline will be inserted through an existing sleeve, or will connect with existing pipe, making the crossing without surface disruption.

Reclamation has independently reviewed and, based on that review, adopted the DDSD and the City Project's January 2005 draft "Initial Study/Mitigated Negative Declaration and December 2005 Supplemental Analysis" as an Environmental Assessment (EA).

FINDING

In accordance with NEPA and its implementing regulations and consistent with the analysis in the DDSD and the City Project's January 2005 draft, "Initial Study/Mitigated Negative Declaration and December 2005 Supplemental Analysis" adopted as an EA, Reclamation has found that the proposed action will result in no significant impact to the quality of the human environment. Therefore, an environmental impact statement is not required.

BASIS FOR FINDING

- 1) **Aesthetics.** Proposed pipelines will be buried underground, causing no permanent changes in the visual condition of the Project area. Scenic resources such as trees, large rocks, or historic buildings will not be damaged by construction, and any damaged roads or landscaping as a result of construction will be repaired. The above-ground water storage tank and pump station will be located at the site of an abandoned pump station.
- 2) **Agriculture Resources.** The proposed action is located within an urban area. There are no agricultural resources located in the Project area; therefore, no effect on agricultural resources will occur.
- 3) **Air Quality.** The proposed action will not adversely affect air quality. The construction contractor shall implement a dust abatement program to minimize the generation of fugitive dust. With respect to conformity with the Clean Air Act, the proposed actions potential emissions are below minimum thresholds and are well below 10 percent of the area's inventory specified for each criteria pollutant designated non-attainment or maintenance for the Bay Area.
- 4) **Biological Resources.** The Project site is located in a developed area of Pittsburg and is surrounded by residential, commercial, industrial, and recreational parkland/golf course. Proposed pipelines will be buried underground, causing no permanent changes in the biological resources of the Project area. Recycled water will be used at the Delta View Golf Course, schools, parks, medians, and other green spaces along the pipeline alignment, all of which are presently irrigated with potable water. Because there will be no significant effect on, or changes to land or water use, there will be no significant effect on biological resources.
- 5) **Cultural Resources.** The proposed action will not affect any historic properties. Results of the cultural resources record search indicate that 23 studies have been conducted in and within ¼ mile of the Project alignment. In addition, 17 known cultural resources have been recorded adjacent to Project components. All 17 sites are historic features such as bridges, warehouses, a bunker and other structures; only one site has a prehistoric component, which is known as the Millington School Site. The 17 recorded sites will not be affected by Project-related activities and the likelihood of encountering cultural resources within the Project area is extremely low. No cultural resources were observed during the Project survey, or during three previous surveys of the PG&E corridor. No impacts to cultural resources are expected. Ground disturbing activities which are part of the proposed action shall not commence until Reclamation has received letters

of concurrence from the State Historic Preservation Office that the proposed action will not adversely affect historic properties/cultural or archaeological resources.

6) Erosion/Geology/Soils. Substantial erosion is considered unlikely because of the relatively small scale of earthmoving. Disturbed areas will be revegetated with native grasses indigenous to the disturbed area. Revegetation will occur after construction and prior to the winter rains to stabilize disturbed areas against erosion. The contractors shall implement Best Management Practices to minimize any potential effects.

7) Hazards and Hazardous Materials. No hazardous materials will be used routinely during Project operation, and there are no known hazardous material contaminated sites in the immediate Project area. No changes to treatment operations at the RWF will occur as a result of the Project.

8) Water Quality. The proposed action will not adversely affect water quality. The Project includes development of a Storm Water Pollution Prevention Plan. Implementation of this plan will ensure that impacts to water quality during construction are minimal. In addition, by recycling water, the proposed action will reduce the wastewater discharges into New York Slough. This will improve DDSD's compliance with Total Maximum Daily Load requirements for mercury.

9) Land Use. The proposed action will not result in additional water supplies or changes in land use patterns.

10) Mineral Resources. The proposed pipeline will be located in existing roadways, a utility corridor, and a golf course area; and will not result in the loss of a known mineral resource.

11) Noise. The proposed action will not result in a permanent increase in ambient noise levels. To reduce daytime noise impacts due to construction, the contractor shall implement noise reduction measures.

12) Population and Housing. The proposed action will not displace existing housing or people as existing residences will not be affected.

13) Public Services. The proposed action will not involve alteration of government facilities, nor will it require new public services. In addition, the proposed action will not induce growth that will require the creation of increased public services.

14) Recreation. The proposed action will not conflict with any existing or proposed recreational uses within or adjacent to the Project area, and will only have short-term construction impacts to the golf course.

15) Transportation/Traffic. The proposed action will not affect traffic. Pipeline installation construction will have temporary impacts to the transportation and circulation patterns in the vicinity of the Project. A local road encroachment permit and traffic control plan will be obtained and complied with to minimize these impacts.

16) Utilities and Service Systems. The proposed action consists of distribution pipelines and will not create the need for additional facilities other than those proposed.

17) Threatened and Endangered Species. Reclamation has determined that the proposed action will have no effect to threatened and endangered species for the following reasons. The Project site is located in a developed area of Pittsburg and is surrounded by residential, commercial, industrial, and recreational parkland/golf course, where it is unlikely that any threatened or endangered species will occur. Proposed pipelines will be buried underground, causing no permanent changes in the Project area. Recycled water will be used at the Delta View Golf Course, schools, parks, medians, and other green spaces along the pipeline alignment, all of which are presently irrigated with potable water. Because there will be no significant effect on, or changes to land or water use, and because it is unlikely that any threatened or endangered species will occur in the action area, there will be no effect on threatened and endangered species.

18) Indian Trust Assets. There are no tribes possessing legal property interests held in trust by the United States in the lands or natural resources at or near the location of this City Project. Therefore Indian trust assets are not affected by this action.

19) Environmental Justice. Proposed alignments were identified based upon available roadway routes, and will not result in a disproportionately high and adverse human health or environmental effects on minority populations or low-income populations.

20) Growth-Inducing Effects. Project implementation will result in improved water resources management, by reducing existing irrigation demands on potable water. Because the irrigation demands that will be met with recycled water reduce the City's intake from the Delta (the source of raw water), the implementation of the proposed action does not represent a new potable water supply that can be dedicated to other uses. As such, the proposed action will not provide additional water supplies that will support growth beyond that envisioned under the City's General Plan. Therefore, no impacts related to growth inducement or population and housing will be associated with the proposed action.